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ABSTRACT

This is a desk reference for information on mental health services delivery. A list of 26 search services indicates for each what it provides, how it can be used, and includes comments by the compiler. A list of consulting resources, i.e., government agency offices devoted primarily to research utilization, an annotated bibliography of indexes to periodical literature relevant to the field of mental health, and an annotated list of reviews for keeping current provide additional sources for the information seeker. (WBC)

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INFORMATION SOURCES AND HOW TO USE THEM

Human Interaction Research Institute
10889 Wilshire Boulevard
Los Angeles, California 90024

* * * in collaboration with * * *

National Institute of Mental Health
Mental Health Services Development Branch
5600 Fishers Lane, Rockville, Maryland 20852

OCTOBER 1975

IR004383

PREFACE

The initial (1971) appearance of Information Sources and How to Use Them was an unexpected, no-cost contribution by Dr. Edward M. Glaser and his colleagues at the Human Interaction Research Institute (HIRI). The manuscript was a side product of other work on knowledge utilization being conducted through a National Institute of Mental Health (NIMH) contract by HIRI. Because it was available and could be published with so little expense, several thousand copies were issued through the Government Printing Office. The response from the field was immediate and vigorous. The Services Development program at NIMH had never before witnessed such rapid depletion of the supply of a publication. The same happening followed the second printing. It should have been no wonder to us that there was a hunger for a desk reference such as this one.

Everyone apparently realizes that the stockpile of knowledge--in this instance, on mental health services delivery--is huge and ever-growing. On the other hand, it is obvious that policies and practices are continually changing and that countless related decisions could benefit from the input of sound, relevant knowledge. But, alas, between knowledge and its use winds a great canyon. Most of us on the policy and practice side are at least vaguely aware that there are ways to reach into the stockpile of information. We mumble the acronyms and alphabet letters of retrieval resources. But how remote and unavailable they often remain.

HIRI's desk reference makes information sources real and practicable. This does not solve all of the problems in transporting knowledge to the side of appropriate use, but it does identify the bridges and routes across the canyon even though some of them may be footbridges and trails. More ready access to knowledge certainly is a first step toward gaining optimum benefit from it.

We hope that the guides in this document will prove to be truly helpful for you. From our standpoint, it would be most useful if we could hear from you about those leads which turn out to be good or not-so-good. Your letters to HIRI or NIMH will be used in subsequent revisions of this document and in helping these information sources to refine their services further. From NIMH we extend our thanks and congratulations to Dr. Glaser and his colleagues for this revision that grew out of their continuing grant research on knowledge utilization.

Howard R. Davis, PhD
Chief, Mental Health Services Development Branch
National Institute of Mental Health

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SEARCH SERVICES

CENTER OF ALCOHOL STUDIES, Rutgers University, New Brunswick, New Jersey 08903. Phone: 201/932-3510.

What it provides

The Center, aided by a grant from NIMH, collects, classifies, and abstracts scientific literature on alcohol and alcoholism. It maintains the Master Catalog of Alcohol Literature (more than 125,000 references in all major languages) and the Classified Abstract Archive of the Alcohol Literature (CAAAL). CAAAL consists of more than 15,000 English language abstracts dealing with the world literature since 1939 (and with selected topics before that date), with a topical index published on edge-notched sorting cards for rapid retrieval.

The Center's publications include the following: Journal of Studies on Alcohol and Supplements; International Bibliography of Studies on Alcohol; CAAAL Manual; Monographs of the Rutgers Center of Alcohol Studies.

The Center answers inquiries, prepares topical bibliographies from CAAAL, and provides photocopies of abstracts and library materials for a fee.

How to use it

Written inquiries are preferred. Retrospective bibliographies can be prepared on highly specific topics; therefore, questions should be formulated in fullest possible detail. The Subject Index of the Journal of Studies on Alcohol may be used as an immediate guide to recent world literature. There are 121 complete or partial sets of CAAAL, located in the United States, Canada and 13 other countries, that can be used directly for accession to bibliography and abstracts. CAAAL headquarters (at the above address) will supply the address of the nearest depositories, and advice on searching procedure if requested. Use of the Center's special library, including CAAAL and collections of books, periodicals and full-text copies, is available to visiting researchers. A pamphlet describing the documentation and services of the Center may be obtained by either phoning or writing to the above address.

Comment

This is a useful resource for comprehensive information in a specialized field.

DATA USER SERVICES DIVISION, Bureau of the Census, Washington, D.C. 20233. Phone: 301/763-7720.

What it provides

The Census Bureau Statistical Programs include censuses of: (1) Population; (2) Housing; (3) Government; (4) Agriculture; and (5) the Economy--construction, wholesale trade, retail trade, selected service industries, manufactures, mineral industries, and transportation. Regular and special surveys are also a part of the statistical programs. The Bureau of the Census provides a data user service that will assist users in locating and obtaining the data they need.

There are a variety of census data products and a number of guides, references and other aids available for the use of census data. The data products include:

PRINTED REPORTS. The results of censuses and surveys are released in a flow of reports which add up to around 3,000 publications each year. Depending on the type and details of the statistics being presented, the areas reported range from individual city blocks to the United States as a whole. Reference copies of many of the reports can be found in large libraries. Most reports can be purchased at reasonable prices from the Superintendent of Documents, Washington, D.C. 20402.

SUMMARY TAPES. Most of the data found in reports are also on computer tape, and sometimes (particularly in the case of the 1970 Census of Population and Housing) much more data can be obtained on tape.

The tapes are computer-readable and manipulable. They are particularly advantageous for persons using extensive amounts of data. Users who lack access to computer facilities, or who would prefer not to purchase and manipulate the tapes themselves, might find it advantageous to obtain the services of a Summary Tape Processing Center. Over 175 organizations have been listed by the Bureau as processing centers--organizations buying some or all census data on tape and offering processing services.

Summary tapes, including the appropriate printed technical documentation, are priced at $70 each.

MICROFICHE. All final printed reports from the 1970 Census of Population and Housing are available on microfiche cards ($1.45 per report). Microfiche should be ordered from the National Technical Information Service, U. S. Department of Commerce, Springfield, VA 22151.

Census Bureau publications containing final data issued January 1968 and subsequently (except publications from the 1970 census as noted above) may be purchased from the Library, Social and Economic Statistics Administration, U. S. Department of Commerce, Washington, D.C. 20233. Also, some series (e.g., Working Papers, Technical Papers, P-series) are available from date of origin of the series.

GUIDES AND REFERENCES. The primary sourcebook for the users of population and housing data is the 1970 Census Users Guide. It provides information that users need not only to deal effectively with census data products but also to understand and use the census to best advantage. The Guide is published in two separately bound sections: Part I, text and three appendices--(1) Census Users Dictionary (containing definitions for the geographic and subject concepts used, and also serving as a general guide to available census tabulations), (2) Comparison of Printed Reports and Summary Tapes, and (3) a Glossary; Part II, technical documentation of data files on computer tape. Even though a data user plans to work only with printed reports, he may find Part II helpful since it shows what additional data are on tape. The Guide may be obtained from the Superintendent of Documents, Washington, D.C. 20402. Part I is priced at $2.10; Part II at $3.70.

A reference aid for the user interested in reviewing social and economic statistics is the Bureau of the Census Catalog. A quarterly (cumulative) publication (with monthly supplements), it is divided into two sections, each arranged by subject field. Part I contains an annotated bibliography of Bureau publications during the year. Part II, entitled Data Files and Special Tabulations, lists new computer tapes, special tabulations, and similar materials as they become available. The Catalog may be ordered by subscription ($10.90/year) from the Superintendent of Documents, Washington, D.C. 20402.

The Mini-Guide to the 1972 Economic Censuses is a valuable reference and guide to general information on 1972 economic censuses and the geographic areas for which data are available. The Mini-Guide provides information on the data collected and publication programs for each of the nine economic census programs: retail trade, selected service industries, wholesale trade, construction industries, manufactures, mineral industries, transportation, enterprise statistics, and outlying areas. The Mini-Guide, priced at $1.00, is available from Subscriber Services, Bureau of the Census, Washington, D.C. 20233.

Another publication helpful to the user is Census Bureau Programs and Publications: Subject and Areas. Published in 1973, it provides a comprehensive review of both current programs and the most recent statistical reports. Priced at $2.45, it can be obtained from the Superintendent of Documents, Washington, D.C. 20402.

For keeping up to date, the Bureau publishes Data User News, a monthly flyer of 8-12 pp. describing new programs and materials, and also drawing attention to publications and developments outside the Bureau. Available by subscription ($4.00/year), it may be obtained from Subscriber Services, Bureau of the Census, Washington, D.C. 20233.

How to use it

In addition to the references above, the Data User Services Division can furnish more information about any of the Bureau's data products, guides and services. Also, the division staff often can guide you to the reports or other data products you need, particularly if a precise statement of the information desired is prepared. The initial contact may be made by either phoning or writing to Data User Services Division, Bureau of the Census, Washington, D.C. 20233 (301/763-7720).

In deciding which census products to use, points to consider include: (1) subject content, (2) geographic detail, (3) media, (4) cost (printed reports or microfiche are inexpensive, but may not precisely satisfy the user's needs), and (5) timeliness (some data are available sooner than others).

Comment

This service provides access to a wealth of statistical data. Such data can be drawn upon for use in problem definition, assessment of existing conditions, and program planning.

DEFENSE DOCUMENTATION CENTER, Building No. 5, Cameron Station, Alexandria, Virginia 22314. Phone: 202/274-6881 (Autovon 28-46881).

What it provides

The Defense Documentation Center (DDC), a field activity of the Defense Supply Agency of the Department of Defense, makes available from one central depository thousands of research and development reports produced each year by U.S. military organizations and their contractors.

Although originally created to serve the military, DDC services are available to all Federal Government agencies and to their contractors, subcontractors and grantees. However, a registration procedure is required prior to submitting requests for service.

DDC's technical report collection currently totals more than 1,131,500 titles. Those accessioned since March 1953 (about 795,000) are under computer control for quick retrieval. Almost all areas of science and technology are included.

DDC announces the existence and availability of documents accessioned through its own announcement publication and through announcement media of the Department of Commerce.

While DDC is a major source of documents on completed research and development, it also is a central source of management and status information on Defense R&D in progress. The Center's major effort in this area, the Research and Technology Work Unit Information System, is designed to serve scientists, engineers, and managers in the Federal R&D community with an automated rapid retrieval capability.

Essentially, the purpose of the R&T Work Unit Information System is to provide the means to determine quickly who is doing what research for whom, when, where, and how. Approximately 25 data fields are used to describe each work unit, which is the logical segment of an R&T effort chosen by local management for purposes of technical control. The information is computer stored to permit retrieval in a wide variety of logical combinations of the data elements.

DDC also operates the R&D Program Planning Data Bank containing summaries of planned efforts throughout the Department of Defense.

How to use it

Organizations registered for DDC Services may request copies of the technical reports in either full size or microform. Technical reports accessioned

by DDC since August 1965, are stored on microfiche; documents accessioned earlier are stored on microfilm.

The Center assesses a $3.00 service charge for paper copies of technical reports which are available in microfiche. A charge of 95 cents is made per title for documents in either microfiche or 35 mm. roll film format. Documents provided twice monthly under the Automatic Document Distribution program are supplied at 35 cents.

Authority to provide a document is determined by the security classification of the report and by any release limitations imposed by the source of the report. Such limitations are used to protect patent or proprietary rights, and to minimize the liability of the Government and its employees.

Although only registered organizations can obtain documents from DDC, unclassified government reports are available, at a fee, to anyone through the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161.

Data from the work unit information system are available in a variety of formats to Defense components and other Federal agencies. Limited access to the data bank is available to contractors and grantees of Federal agencies through the use of a single, fixed-format report.

Certain registered users are provided direct access to the computerized data banks through remote cathode-ray-tube terminals. Inquiries about this service should be made to (202) 274-7709 (Autovon 28-47709).

Requests for registration pamphlets or for additional information should be addressed to the Defense Documentation Center, Attention: DDC-ML, Building No. 5, Cameron Station, Alexandria, Virginia 22314.

Comment

As could be expected, much of the DDC material is not relevant to mental health, although an appreciable number of documents are indexed in the subject field "Behavioral and Social Sciences," under subheadings of Human Factors Engineering; Man-Machine Relations; Personnel Selection, Training and Evaluation; Psychology (individual and group behavior); and Sociology. A recent tabulation identified approximately 300 titles under mental disorders and mental health categories. Further information is available to DDC-registered organizations by calling (202) 274-6867 (Autovon 28-46867).

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DISSERTATION INFORMATION SYSTEM, Xerox University Microfilms, 300 North Zeeb Road, Ann Arbor, Michigan 48106. Phone: 313/761-4700.

What it provides

This service provides access to doctoral dissertations written at more than 350 participating universities in the United States and Canada. The data base has grown to a current 500,000 doctoral dissertations, covering a period from 1938-1974. An effort is being made to include many of the Canadian dissertations, approximately one-third of which now are available. It is planned that about 90% of all dissertations currently being written will be added to the data base.

An interrelated system of information resources is offered from which the user may select the one best suited to his needs. Data products include the following:

1. The Comprehensive Dissertation Index (CDI) is a subject/author guide to doctoral research. The first edition covers the period from 1861-1972 and consists of a five-volume author index, and a 32-volume subject index divided by discipline and organized alphabetically by keywords chosen from dissertation titles. Annual CDI supplements provide ongoing coverage. Each keyword is followed by a chronological list of pertinent dissertation titles, each entry including the author's name, degree, date, university, and the number of pages in the paper, when known. If the title has been abstracted in Dissertation Abstracts International, the CDI entry cites the issue and page number. In addition, an order number is given for those dissertations which are available from Xerox University Microfilms.

2. Dissertation Abstracts International (DAI), published monthly, contains 600-word abstracts summarizing the objectives and the conclusions of each dissertation, and includes the same bibliographic data as the CDI entry. If the user decides after reading the abstract that he would like to see the entire dissertation, he then can order a copy from the Demand Publishing Service of Xerox University Microfilms, using the order number supplied in the entry.

3. American Doctoral Dissertations (ADD) is an annual directory to newly accepted dissertations. ADD entries cite university, author, and title only. The order number or dissertation abstract may be found by consulting either of the two publications above.

Organized within subject category by institution and author, ADD is valuable in cases where the user wishes to obtain a concise overview of dissertations written in a particular subject area and over a particular period of time.

4. DATRIX II is a mail-order computerized information retrieval system which conducts a computer search to identify doctoral dissertations written on any topic. A printout is sent the user, listing dissertations in chronological order, beginning with the most recent, and giving the same bibliographic data as a CDI entry. The user then can investigate the titles that seem most pertinent by reading the abstracts in DAI and/or ordering copies of the dissertation from the Demand Publishing Service, Xerox University Microfilms.

   The advantages of the DATRIX II services are as follows: (a) It provides up-to-date listings of new dissertations not yet indexed in CDI, and (2) it compiles interdisciplinary listings more quickly and accurately than a manual hunt through the individual CDI subject volumes.

Xerox University Microfilms periodically publishes short subject bibliographies as spinoffs from CDI and DATRIX II. These normally contain several hundred dissertation titles on various topical issues.

How to use it

The three publications given above are available at many research libraries. The Comprehensive Dissertation Index is an all-inclusive, single-source index. The user, working from his own keyword list describing the topic, locates a dissertation by looking up the keywords in the appropriate subject index. Each keyword is followed by a chronological list of relevant dissertation titles, the bibliographic information described above, cross-references to Dissertation Abstracts International, and order numbers for obtaining copies of complete dissertations from those available from Xerox University Microfilms. The user has a choice of 35 mm. positive microfilm ($5 per dissertation), xerographic soft cover ($11 per dissertation) or xerographic hard cover ($13.50 per dissertation). A simple order form is available from libraries or may be requested from Xerox University Microfilm, 300 North Zeeb Road, Ann Arbor, Michigan 48106. Payment must accompany all orders from individuals.

To initiate a DATRIX II search, the user fills out a DATRIX II order form (obtainable from libraries or from Xerox University Microfilm at the above address), which furnishes instructions and indicates options open to him

in the search. The computer printout listing mailed to the user will contain up to 150 citations, depending upon how many dissertations were written on the topic. The basic fee for this printout is $15. If there are more than 150 citations produced from the search, the printout will include a message indicating how many more titles meet the user's specifications. These may be ordered for 10¢ each. The minimum charge for the second printout is $5 prepaid.

The short special-subject bibliographies of doctoral research may be requested from Xerox University Microfilms for a nominal fee.

Prices are subject to change without notice.

Comment

This service provides the most comprehensive records on dissertations available anywhere. For a modest fee the user enjoys access to an enormous amount of scholarly research that might remain unnoticed and unused by other researchers.

EDUCATION RESOURCES INFORMATION CENTER (ERIC), National Institute of Education, Department of Health, Education and Welfare, Washington, D.C. 20202. Phone: 202/254-5553.

What it provides

ERIC is a national information system which disseminates educational research results, research-related materials, and other resource information that can be used in developing more effective educational programs. Through a network of 16 specialized centers or clearinghouses, each of which is responsible for a particular educational area, the information is monitored, acquired, evaluated, abstracted, synthesized, indexed, and listed in ERIC reference products. Clearinghouse outputs include monographs and state-of-the-art publications on educational problems and research.

Despite the fact that the ERIC focus is primarily on education, there is considerable overlap with some aspects of mental health, as for example, the listings under the heading of drug addiction.

ERIC's publications are available from the Government Printing Office, Washington, D.C. 20402. The publications include: (a) Research in Education, a monthly abstract journal with two semiannual cumulative indexes; (b) The Office of Education Research Reports, 1956-65, Indexes and accompanying Resumés; (c) Thesaurus of ERIC Descriptors, 5th Edition; (d) Catalog of Selected Documents of the Disadvantaged, a Subject Index and accompanying Number and Author Index; (e) Pacesetters in Innovation (by fiscal years 1967-1969); (f) Manpower Research, Inventory for Fiscal Years 1966-1969; (g) Current Index to Journals in Education, a monthly publication of journal citations, with semiannual and annual indexes available from MacMillan Information Company, 216R Brown Street, Riverside, New Jersey 08075.

How to use it

The user selects a subject, such as drug addiction, and then narrows it down, for example to drug addiction in adolescents. He can identify from ERIC's Thesaurus the key descriptors appropriate to the entry. In this case, key search terms might be drug addiction, identification of drug addiction in high schools, and treatment of adolescent drug addiction. For current material, the user can refer to the monthly issues and annual cumulative index of ERIC's abstracts journal, Research in Education, searching the Subject Index under the descriptor terms obtained from the Thesaurus.

After searching the sub-areas and reading the resumés, he can decide whether he wants the full text of any document. In that case, the documents are available in microfiche or hard copy from the ERIC Document Reproduction Service, Computer Microfilm International Corp., P.O. Box 190, Arlington, Virginia 22210. The cost of each document appears in the citation.

Comment

This service provides ready access to a large body of educational literature. Anyone who is likely to have recurring need for making use of ERIC should be equipped with the Thesaurus. It also might be useful to know that the Current Index to Journals in Education (CIJE) classifies current journal literature under ERIC descriptors.

All ERIC Clearinghouses have active publication programs. Anyone can get on the mailing list by submitting his name to the Clearinghouse. The addresses of current Clearinghouses are listed below:

1. Career Education. College of Education, Northern Illinois University, Dekalb, Illinois 60115

2. Counseling and Personnel Services. Counseling and Personnel Services Information Center, School of Education Building, Room 2108, University of Michigan, Ann Arbor, Michigan 48104

3. Disadvantaged. Information Retrieval Center on the Disadvantaged, Columbia University, Teachers College, Box 40, 525 W. 120th Street, New York, NY 10027

4. Early Childhood Education. College of Education, University of Illinois, Urbana, Illinois 61801

5. Educational Management. Hendricks Hall, University of Oregon, Eugene, Oregon 97403

6. Handicapped and Gifted Children. Council for Exceptional Children, 1920 Association Drive, Arlington, Virginia 22091

7. Higher Education. George Washington University, One Dupont Circle, #630, Washington, D.C. 20036

8. Information Resources. School of Education, Center for Research and Development in Teaching, Stanford University, Stanford, Calif. 94305

9. Junior Colleges. Powell Library, Room 96, University of California, Los Angeles, California 90024

10. Languages and Linguistics. Center for Applied Linguistics, 1611 N. Kent Street, Arlington, Virginia 22209

11. Reading and Communication Skills. National Council of Teachers of English, 1111 Kenyon Road, Urbana, Illinois 61801

12. Rural Education and Small Schools. New Mexico State University, Box 3AP, Las Cruces, New Mexico 88003

13. Science, Mathematics, and Environmental Education. 400 Lincoln Tower, 1800 Cannon Drive, The Ohio State University, Columbus, Ohio 43210

14. Social Studies/Social Science Education. 855 Broadway, Boulder, Colorado 80302

15. Teacher Education. American Association of Colleges for Teacher Education, One Dupont Circle, #616, Washington, D.C. 20036

16. Tests, Measurement, and Evaluation. Educational Testing Service, Princeton, New Jersey 08540

INFORMATION CENTER ON CRIME AND DELINQUENCY: National Council on Crime and Delinquency, 411 Hackensack Avenue, Hackensack, New Jersey 97601. Phone: 212/254-7110.

What it provides

The Information Center prepares, indexes, stores, and retrieves abstracts on a wide range of subjects in the criminal justice field. Currently, the Center operates from a data base of 20,000 abstracts.

The Information Center's primary function is to acquire, organize, and disseminate existing information in a manner designed to promote the implementation of knowledge. The Center does not collect unpublished data or statistics, or conduct research.

Information Analysts abstract material from more than 150 journals and 2,000 documents each year. From this data base, the Center assists individuals and agencies in the criminal justice field.

For those needing in-depth information on a specific topic, the Information Center conducts comprehensive literature searches. A literature search produces a bibliography and copies of abstracts of all documents cited.

The Information Center Library maintains a comprehensive collection of documents on crime and criminal justice. The bulk of the collection consists of materials published since 1920, but a substantial amount of historical literature is also available. There are over 6,000 books on the shelves. The vertical files contain more than 30,000 items including annual reports, journal articles, monographs, reports of federal government grantees, research studies, pamphlets, news clippings, and letters. The Library's weekly accessions list is offered to subscribers for $50 a year. A Selected Reading List is also available.

The quarterly journal of the Information Center, Crime and Delinquency Literature, contains in-depth abstracts of current literature on criminal justice, worldwide in scope. Abstracts are subject-indexed (cumulated annually), enabling the subscriber to perform his own searches of the literature of the past five years.

Under grants and contracts from government agencies and foundations, the Information Center has operated information services aimed at special audiences. In the past, these specialized services, provided at no cost to users, have included the Current Projects Clearinghouse, Criminal Justice Planning Resource Center, Correctional Training Resource Center, information for action institutes, preparation of monographs on specified topics, and the Clearinghouse for Model Cities program information.

How to use it

To assist Information Analysts in responding to questions, the subject to be searched should be defined as explicitly as possible. The Analyst cannot search everything in the data base on crime prevention, for example, since this would produce over one-quarter of the abstracts in the retrieval system. An inquiry on crime prevention can be more easily answered if the Analyst knows exactly what the user is interested in, e.g., research studies only; burglary prevention; special projects aimed at minority groups, juvenile delinquents, or pre-delinquents.

The minimum charge for a literature search is $60. The amount of material retrieved can vary from a one- to three-page bibliography, or up to 40 abstracts. For a search that yields more than three pages, the fee is based on the amount of additional staff time required to process the request. Included in this estimate are the number of abstracts and the complexity of the topic searched.

An estimate of the charge for a literature search can be obtained by writing the Information Center, giving an exact description of the subject of inquiry.

Subscriptions for Crime and Delinquency Literature (4 issues, $25 a year) are entered through the Business Office, National Council on Crime and Delinquency, 411 Hackensack Avenue, Hackensack, New Jersey 07601.

For information on contracting for the provision of any specialized information service, write to:

Director, Information Center
National Council on Crime
and Delinquency
411 Hackensack Avenue
Hackensack, New Jersey 07601

Comment

A valuable service, providing access to a wide range of information in this area. All subjects of criminal justice are covered, and the library contains the largest collection in the world on crime and related subjects.

INNOVATION INFORMATION AND ANALYSIS PROJECT (IIAP) OF THE PROGRAM OF POLICY STUDIES IN SCIENCE AND TECHNOLOGY, The George Washington University, Washington, D.C. 20052. Phone: 202/676-6450

What it provides

The Innovation Information and Analysis Project (IIAP) in the Program of Policy Studies in Science and Technology, The George Washington University, functions as a focal point of information flow within a broadly based innovation community. The community consists of people in government, private business, trade associations, nonprofit organizations, private individuals and other interested parties.

IIAP provides three primary services to the community:

- It gathers and disseminates information resources on innovation.
- It provides literature searches through its own and outside sources on specific topics of relevance to this community.
- It engages in special analytical literature reviews, syntheses and research.

Two closely coordinated functional elements of the IIAP provide these services. The bibliographic services--collecting, organizing, abstracting, annotating--are provided by an Innovation Information Center. Since its inception in 1973, the Center has acquired a vast collection of books, periodicals, articles and other documents that deal with the many aspects of innovation. From this collection has come a series of special bibliographic material that is available to the public. Upon request, the Center can inexpensively perform specific bibliographic tasks.

The analytical and dissemination services are provided by another element of the IIAP. The analytical function goes beyond the bibliographic process to produce critical syntheses and reviews of specified topics within the general study of innovation. Similarly, the IIAP is concerned with stimulating, facilitating and organizing the flow of communication among researchers, scholars, and practitioners. It does this through its publication and analytical activities.

How to use it

Inquiries may be made by either phoning or writing the above address.

Comment

A useful resource regarding technological innovation and its effects.

INSTITUTE FOR SCIENTIFIC INFORMATION (ISI), 325 Chestnut Street, Philadelphia, Pennsylvania 19106. Phone: 215/923-3300.

What it provides

This organization provides a number of information dissemination and retrieval services including the following:

1. Search Services: Provides retrospective searches of the scientific literature on any specified topic. Searches utilize all standard information retrieval resources plus ISI's specially developed Science Citation Index (SCI). This is an interdisciplinary index to every article of every issue of more than 2,400 scientific and technical journals published during a calendar year. The result is a bibliography of articles relevant to the subject under search. For searches of the literature on the social sciences, ISI provides the Social Sciences Citation Index (SSCI). This index includes complete coverage of over 1,000 social sciences journals and selectively covers another 2,200 journals, indexing only those articles deemed to be relevant to the social sciences. The SSCI has the same format as the SCI. It is an integrated search system consisting of three separate but related indexes: the Source Index, the Citation Index, and the Permuterm Subject Index. Each covers exactly the same published articles but indexes them in different ways. Depending on the search problem and the information already available on the topic, any one of the three indexes can be the most effective starting point. Once some relevant articles are retrieved, the information they provide can be used to enter the other indexes to continue the search.

2. Current Contents: Reproduces the contents pages of domestic and foreign journals, issued weekly. Issued in six editions, including one on behavioral, social and management sciences, and one on life sciences. Contains addresses of authors so that researcher can correspond directly with authors and obtain reprints of articles of interest.

3. Original Article Tear Sheet Service (OATS): Enables researcher to retrieve promptly tear sheets of articles cited in above publications.

4. Automatic Subject Citation Alert (ASCA): Provides selective dissemination-of-information services, individualized to subscriber's needs. Purpose is to alert subscriber to the existence of articles in the current literature that have a high probability of being relevant to the specific area of interest. Provides weekly printout, listing bibliographic data matching subscriber's areas of interest.

How to use it

Search Service: User should provide ISI with the topic and as much information about his field of interest as possible. Combinations of subject-descriptive words and key authors or articles are helpful. Cost is $25 per hour, with a 3-hour minimum. At user's option, longer searches are conducted.

Current Contents: By subscription, starting at $95 per year. Special rates for multi-year subscriptions, group subscriptions and educational organizations are available.

OATS: Can be ordered by mail or by telephone (using Hot-Line number given above). Charges: $3 per article up to 10 pages, plus $2 for each additional 10 pages or fraction thereof. Surcharge of 50 cents per article for requests by telephone or those requiring airmail special delivery dispatching, or requests from outside the U.S.A., Mexico or Canada.

ASCA: Subscriber constructs a profile containing words, terms, articles, or authors pertinent to his field of interest. Cost of yearly subscription is determined by the types of components he uses in his profile, with the minimum fee being $115.

Comment

ISI's comment about its Science Citation Index says: "... enables one to trace the literature forward in time; that is, to go from an earlier cited article to a later citing article. This contrasts with conventional systems in which one usually locates a current article and builds up a bibliography by tracing backward in time through the footnotes cited in the article at hand."

Regarding the Social Sciences Citation Index, ISI states, "... Previously unknown articles located through this technique contain bibliographies which allow tracing backward in time. Earlier papers located through the backward trace provide new starting points for a second citation search. This technique, known as 'cycling' when continued for two or three cycles, greatly increases the probability of rapidly locating all of the relevant material contained in the Index."

ISI's comment on the Permuterm Subject Index says, "... enables one to rapidly enter the literature for any year from 1966 to date simply by looking up either a single title word or a combination of title words. One thinks of words in work pairs that are likely to appear in the titles of articles related to the topic of interest. A simple alphabetic look-up of these words then leads the searcher to the names of authors who have used the words in the title of their articles. The names of these authors are then looked up in the Source Index (Author Index) to obtain full descriptions of the articles."

INSTITUTE FOR SEX RESEARCH, Morrison Hall 416, University of Indiana, Bloomington, Indiana 47401. Phone: 812/337-7686.

What it provides

The resources of the Institute for Sex Research are available to researchers, educators, medical personnel, counselors, and other individuals working in the field of human sexuality who have demonstrable research needs.

The Institute for Sex Research Library currently holds approximately 30,000 volumes, adding about 250 books and 1,500 reprints of articles to its behavioral science collection each year. It also subscribes to 63 journals, primarily in the fields of psychiatry, psychology, and sociology. In addition, the library has a collection of erotic literature and art, and ephemeral sex materials such as "girlie magazines" and underground press publications.

The Institute for Sex Research Archive Collections contain approximately 25,000 pieces of flat art, 1,300 art objects, 1 500 films, and 50,000 photographs. In scope it covers both fine art representations of the erotic motif and the simplest dime-store novelty representation of the same theme.

The Archives also includes a collection of medical and pseudo-medical devices related to sex, collections of prison art, psychotic art, and children's art.

How to use it

The Information Service processes requests for information and provides the following types of services by mail: requests to visit the collections, bibliographic searches, copying of requested materials, referrals to individuals engaged in similar research, assistance in locating materials, gathering of specific information, and other related services. All services are free of charge except for copying and (beginning with the fourth request) bibliographies.

For further information or services, contact: Information Service, Institute for Sex Research, 416 Morrison Hall, Indiana University, Bloomington, Indiana 47401.

Comment

This is a limited service, but it provides access to a significant amount of material in a relatively new field.

LOCKHEED INFORMATION RETRIEVAL SERVICE, Lockheed Information Systems, 3251 Hanover Street, Dept. 15-50, Bldg. 201, Palo Alto, California 94304; 900 17th Street, N.W., Washington, D.C. 20006; 200 Park Avenue, Suite 303E, New York, New York 10017. Phone: Palo Alto, 415/493-4411, ext. 45635; Washington, D.C., 202/872-5971; New York, 212/682-4630.

What it provides

The Lockheed Information Retrieval Service, using the DIALOG™ retrieval language, provides on-line interactive search access to a large number of data bases. Scientific and technical bases include National Technical Information Service (NTIS), INSPEC (Science Abstracts), Chemical Abstracts Condensates, Chemical and Electronics Market Abstracts (CMA/EMA), Compendex (Engineering Index), CLAIMS™ (American Chemical Patents). Data bases in the educational, psychological, business and agriculture areas, and social sciences include Education Resources Information Center (ERIC) with subfiles of Research in Education (RIE) and Current Index to Journals in Education (CIJE); Exceptional Children Abstracts; Abstracts of Instructional and Research Materials (AIM/ARM); Psychological Abstracts; Abstracted Business Information (ABI/INFORM); National Agriculture Library (NAL/CAIN); Social SciSearch™; Funk & Scott Index (business) and Source Directory (business).

Many data bases are full-text indexed allowing comprehensive retrieval.

Several services are provided:

- On-line, interactive retrospective searching. Access is provided to terminals at user sites from data bases stored on-line at Lockheed's Information Sciences computer center.

- File generation and maintenance of special data bases.

- Selective dissemination of information. Standing search profiles can be generated that can then be processed against each file update of certain data bases.

The client can browse through the files (and thesaurus where existing) with the aid of high-speed terminals. Searches may be done in a full-text index mode or with assigned indexes, or with both. There are also many interactive conversational features such as the automatic display of the user's search term in lists showing alphabetically and conceptually close terms and secondary search paths that can be explored while the user's original search pattern is held in abeyance.

The language of the system is simple and easy to use, and no understanding of computers is required.

How to use it

There are two levels of service available:

1. Level 1 is for most users and employs a dial-up operation (ordinary telephone or TWX) with 10, 15, 30 or 120 character-per-second transmission.

2. Level 2 uses a high-speed display/printer terminal with 480 characters-per-second transmission over a leased telephone line. This service is especially useful for regular clients having 8 or more search hours per week.

A typical search costs only $10 to $20. Billing is based on actual usage: (1) terminal-connect time and (2) off-line printing. There are no membership, subscription or minimum fees.

The interested party may either phone or write to one of the above addresses for a Lockheed Order Form to initiate the service.

Comment

The Lockheed system can provide rapid, comprehensive reference searches with a high degree of specificity for the user's needs.

MEDICAL LITERATURE ANALYSIS AND RETRIEVAL SYSTEM (MEDLARS). This is a service of the National Library of Medicine, 8600 Rockville Pike, Bethesda, Maryland 20014. Phone: 301/496-6193.

What it provides

MEDLARS is the computer-based system designed to provide rapid bibliographic access to the National Library of Medicine's store of biomedical journals. It accomplishes this through the publication of Index Medicus and other biomedical indices and through MEDLINE (MEDLARS On-Line).

MEDLINE provides on-line bibliographic searching capability for medical libraries, medical schools, hospitals and research institutions throughout the country. The MEDLINE data base contains more than 450,000 citations to articles from approximately 3,000 major journals, including those indexed for Index Medicus during the past three years. By "conversing" with a computer via a typewriter-like terminal, a physician, medical librarian, or other health professional is able to retrieve almost instantaneously references to the latest journal articles in his area of interest.

Other on-line files are also available for searching: SDILINE (current month of MEDLARS); CATLINE (the book file or materials contained in Current Catalog); SERLINE (the serial records file which contains bibliographic and locator information); and TOXLINE (citations and abstracts in the field of toxicology/pharmacology).

Journal articles are indexed for MEDLARS using the controlled vocabulary, Medical Subject Headings (MeSH). An average of 12 subject terms are assigned to each journal article. The average citation is printed in Index Medicus under about three of these headings, identifying major aspects of the article. The additional headings are stored in the computer for MEDLINE retrieval. A printout of citations can include authors' names, title of the article, source journal information, language, and subject headings used to index the article.

MEDLARS-produced bibliographies are also provided through the Literature Search Program on subject matters of significant current interest to a substantial audience. These are announced in the front of Index Medicus and periodically in the Journal of the American Dental Association, Drug Research Reports and Public Health Reports. These literature searches are available from the Reference Section, National Library of Medicine.

How to use it

Eleven Regional Medical Libraries coordinate the MEDLINE service in their regions. To determine where you should request a MEDLINE search, contact the Regional Medical Library which serves your state. Since the

institutions pay their own terminal and connect time costs, fees may be charged to users for MEDLINE services. The Regional Medical Libraries are listed below:

1. New England Region (CT, ME, MA, NH, RI, VT)

   Francis A. Countway Library of Medicine
   10 Shattuck Street
   Boston, MA 02115

2. New York and Northern New Jersey Region (NY and the 11 northern counties of NJ)

   New York Academy of Medicine Library
   2 East 103 Street
   New York, NY 10029

3. Mid-Eastern Region (PA, DE, and the ten southern counties of NJ)

   Library of the College of Physicians
   19 South 22 Street
   Philadelphia, PA 19103

4. Mid-Atlantic Region (VA, WV, MD, DC, NC)

   National Library of Medicine
   8600 Rockville Pike
   Bethesda, MD 20014

5. East Central Region (KY, MI, OH)

   Wayne State University Medical Library
   4325 Brush Street
   Detroit, MI 48201

6. Southeastern Region (AL, FL, GA, MS, SC, TN, PR)

   A. W. Calhoun Medical Library
   Emory University
   Atlanta, GA 30322

7. Midwest Region (IL, IN, IA, MN, ND, WI)

   John Crerar Library
   35 West 33 Street
   Chicago, IL 60616

8. Midcontinental Region (CO, KS MO, NB, SD, UT, WY)

   University of Nebraska Medical Center Library
   42nd Street & Dewey Avenue
   Omaha, NB 68105

9. South Central Region (AR, LA, NM, OK, TX)

   University of Texas Health Science Center
   5323 Harry Hines Boulevard
   Dallas, TX 75235

10. Pacific Northwest Region (AK, ID, MT, OR, WA)

    University of Washington Health Sciences Library
    Seattle, WA 98195

11. Pacific Southwest Region (AZ, CA, HI, NV)

    Center for the Health Sciences
    University of California
    Los Angeles, CA 90024

Comment

It should be noted that MEDLARS has certain inherent limitations. For example, if a concept cannot be expressed in MeSH terminology, citations can be retrieved only with difficulty. MeSH lacks subject headings for the following concepts: degree, time sequence, qualitative judgments, acute or chronic conditions. Thus, for example, if the mental health worker wants citations related to the effectiveness of therapy, he will have difficulty retrieving these citations, since effectiveness involves qualitative judgments.

It is our impression that direct personal communication with the individual search analyst at the regional MEDLARS station greatly facilitates obtaining articles of relevance to the inquirers' needs. Articles not in the field of medicine seem to be particularly difficult to obtain, and the search analyst often is much better trained in getting direct medical citations than in retrieving relevant psychological material.

MENTAL HEALTH MATERIALS CENTER, Information Resources Center for Mental Health and Family Life Education, 419 Park Avenue South, New York, New York 10016. Phone: 212/889-5760.

What it provides

The Center's purpose is "to facilitate the skillful selection and creative application of educational materials in support of mental health and family life education programs." While the Center maintains a variety of training and consultation services to professional agencies in these fields, its search facilities are available in three forms: contractual relations through the Information Resources Center, a division of Mental Health Materials Center (MHMC); the periodically revised Selective Guide to Materials for Mental Health and Family Life Education; and the bimonthly IRC Newsletter, designed to provide a continuous updating of the Selective Guide.

Many governmental and voluntary services have engaged MHMC to conduct special studies related to program materials, evaluation studies, and preparation of highly selective annotated guides to materials. Publications resulting from such studies have been prepared for the National Institute of Mental Health, National Clearinghouse for Mental Health Information, National Manpower Commission on Mental Health Careers, National Institute of Child Health and Human Development, National Institute on Alcohol Abuse and Alcoholism, and others.

The Selective Guide to Materials for Mental Health and Family Life Education is prepared by MHMC to enable educators and program planners in these fields to keep abreast of the best current recommended publications and films for educational and training programs. The current (1973) edition, published by Perennial Education, 1825 Willow Road, Northfield, Illinois 60093, is priced at $35.

The IRC Newsletter, published bimonthly, contains full information about new recommended films and publications, shorter notices of other program aids, news notes of innovative mental health and family life education programs and information resources, and professional articles on topics central to these fields. Published by MHMC, the cost is $12 per year.

How to use it

Ordering information for the publications is listed above. Specific inquiries should be directed to the MHMC address.

Comment

The service provided by this organization is particularly applicable to organizations with lay memberships, although professional researchers and practitioners also will find the materials to be informative.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) OFFICE OF INDUSTRY AFFAIRS AND TECHNOLOGY UTILIZATION, Scientific and Technical Information Office (STIO), National Aeronautics and Space Administration, Washington, D. C. 20546. Phone: 202/755-3548.

What it provides

The NASA Scientific and Technical Information Program offers broad access to a computerized data base containing citations to over one million aerospace related documents. Services include the automatic, primary distribution of technical documents; special publications ranging from conference proceedings to significant scientific developments to data compilations; technical translations; literature research services; selective notifications of new information entering the system and announcements of ongoing research; specialized and recurring bibliographies; on-line retrieval of information in the NASA data base plus access to other scientific and technical data bases; abstracting and announcement services; timely reference services; and a wide range of specialized publications, guides and tools that enable users to be aware of new pertinent information.

Scope or subject coverage: Worldwide aerospace information including spacecraft and launch vehicle development, aeronautics and aircraft (also helicopters, STOL, supersonic, and hypersonic); auxiliary space power; human factors in aerospace environments; earth resources, energy, space electronics and communications; properties of the earth, moon, sun, and planets; cosmology; optical and radio telescopes (particularly those in orbit); origins of life and possibility of extraterrestrial life; aerospace applications pertaining to meteorology, communications; and supporting research and development in fluid mechanics, thermodynamics, structure, mathematics, and basic physics and chemistry.

Input sources: All report, journal, and conference literature generated by NASA research centers, contractors, and grantees; report and journal literature from government agencies, private industry, academic organizations, and research institutes; publications from foreign aerospace-related organizations through exchange agreements.

NASA/RECON (Remote Console): NASA's most advanced tool for access to the content of the scientific and technical information data base is RECON (REmote CONsole), an on-line interactive information retrieval system. This service is a successful nationwide retrieval network, with 30 stations linking NASA installations and libraries across the United States to the central computer, located at the NASA Scientific and Technical Information Facility in Linthicum Heights, Maryland.

Products and services offered by NASA's Scientific and Technical Information Program include the following:

ABSTRACT JOURNALS. Scientific and Technical Aerospace Reports (STAR) announces report literature, and International Aerospace Abstracts (IAA) covers worldwide published literature. These journals are published semimonthly with cumulative indexes issued semiannually and annually.

SELECTIVE DISSEMINATION OF INFORMATION. Selected Current Aerospace Notices (SCAN), a semimonthly current awareness publication indexed to 185 topics of user interest.

CONTINUING BIBLIOGRAPHIES. Aerospace Medicine and Biology (monthly), Aeronautical Engineering (monthly), Management (annually), Patent Abstracts Bibliography (semiannually), Earth Resources (quarterly), Energy (quarterly).

TECHNICAL PUBLICATIONS. NASA's formal scientific publications consist of: Technical Reports, Technical Notes, Technical Memorandums, Contractor Reports, Technical Translations, and Special Publications.

MICROFICHE. Microfiche of NASA documents 105 by 148 mm diazo (4 x 6 inch) sheets of negative film recording up to 98 pages at 24:1 reduction is available on subscription and single copy basis.

MAGNETIC TAPES. Magnetic tapes contain machine readable records of bibliographic citations in the NASA Scientific and Technical Information System.

How to use it

All organizations registered with NASA may receive certain products at no charge on initial distribution from NASA. Included among these are STAR, SCAN, and continuing bibliographies. STAR also is available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C. 20402, on a subscription and single copy basis. The continuing bibliographies also are available for sale from the National Technical Information Service (NTIS), Springfield, VA 22151. IAA is available only on subscription from the American Institute of Aeronautics and Astronautics, Inc., 750 Third Avenue, New York, NY 10017.

Printed NASA Formal Series Documents and microfiche copies of NASA and NASA-sponsored documents announced in STAR are available on initial

distribution from NASA upon payment of a service charge. Public libraries and government agencies are exempt from this charge. NTIS also sells single copies of these reports. Magnetic tapes are available to NASA contractors from the Scientific and Technical Information Office, NASA, Washington, D.C. 20546, and to others from NTIS.

Organizations wishing further information on NASA's distribution program should write to: NASA Scientific and Technical Information Facility, PO Box 8757, Baltimore/Washington International Airport, Maryland 21240.

Comment

NASA has one of the most advanced and sophisticated systems anywhere for providing access to worldwide aerospace and aerospace-related information. Such knowledge, resulting from research originally intended to solve space needs, can in turn be applied to improving our environment and the quality of worklife for people.

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION (NASA) TECHNOLOGY UTILIZATION PROGRAM, Technology Utilization Office, Code KT, National Aeronautics and Space Administration, Washington, D.C. 20546. Phone: 202/755-3040.

What it provides

NASA collects the results of aerospace-related research and development from all parts of the world. This collection contains over 700,000 documents which are available for use by individuals and industry working in areas other than aerospace. The NASA Technology Utilization Program was formed in order to help disseminate this information across disciplinary, industrial and regional boundaries.

Aerospace technology has been applied to such areas as medicine, environmental pollution, urban construction and planning, transportation, public safety and fire safety.

The following services are available:

INDUSTRIAL APPLICATIONS CENTERS. Six industrial applications centers offer to fee-paying clients individualized services in retrieving technical information for their specific needs. The data base of over 700,000 scientific and technical aerospace reports in computer-searchable form comprise the centers' primary information resource.

Although similar, no two of the centers are alike. Each is based at a university or nonprofit research organization. They serve fee-paying clients in a variety of ways. Retrospective searches are made in response to a client's specific needs. Current awareness searches are individualized monthly reports on developments in a client's particular field of interest. Standard interest profiles are prepared when a center has numerous clients with closely related interests. These are monthly reports on recent developments in a particular field and reduce the cost to customers who do not require custom-tailored information service. Other services include document procurement and current reports on new applications, ideas and innovations.

APPLICATION TEAMS. Under contract to NASA, these teams directly assist public sector research groups and government agencies.

THE COMPUTER SOFTWARE AND MANAGEMENT INFORMATION CENTER (COSMIC). COSMIC collects, evaluates, and distributes computer programs with nonaerospace applications. Tapes, card decks, program listings, machine-run instructions, and documentation are provided fee-paying clients. Such "software" is announced in

Computer Program Abstracts and is sold by COSMIC at prices based on the cost of reproduction and handling of the programs.

TECH BRIEFS. These announce particularly significant NASA developments for the nonaerospace user.

REPORTS, SURVEYS, COMPILATIONS, CONFERENCE PROCEEDINGS, AND SPECIAL PUBLICATIONS. These are prepared by NASA in order to facilitate the transfer of technology to industry. Some of these publications combine new technological information from many sources into one document for the convenience of the user. Other special publications discuss particularly significant innovations in detail.

COMPUTER PROGRAM ABSTRACTS. This periodical is issued quarterly by the NASA Office of Technology Utilization and announces all computer programs from COSMIC.

How to use it

INDUSTRIAL APPLICATIONS CENTERS. There are six centers:

1. Aerospace Research Applications Center (ARAC)
   Indiana University
   400 E. 7th Street
   Bloomington, Indiana 47401
   Phone: (812) 337-7833

2. Knowledge Availability Systems Center (KASC)
   University of Pittsburgh
   Pittsburgh, Pennsylvania 15260
   Phone: (412) 624-5212

3. New England Research Application Center (NERAC)
   Mansfield Professional Park, Box U-41N
   The University of Connecticut
   Storrs, Connecticut 06268
   Phone: (203) 486-4533

4. North Carolina Science and Technology Research Center (NC/STRC)
   P. O. Box 12235
   Research Triangle Park, North Carolina 27709
   Phone: (919) 549-8291

5. Technology Application Center (TAC)
   The University of New Mexico
   Albuquerque, New Mexico 87131
   Phone: (505) 277-4000

6. Western Research Application Center (WESRAC)
University of Southern California
809 West 34th Street
Los Angeles, California 90007
Phone: (213) 746-6132

APPLICATION TEAMS. Individual arrangements must be made for this service. Inquiries may be forwarded to the Director, Technology Utilization Office, Code KT, NASA Headquarters, Washington, D.C. 20546.

COSMIC. Write to Director, Computer Software Management and Information Center, Suite 112, Barrow Hall, University of Georgia, Athens, GA 30601.

TECH BRIEFS. These are available by subscription from the National Technical Information Service (NTIS), Springfield, VA 22151. The reports, drawings, specifications, and similar documentation related to the invention described in a Tech Brief are available, without charge, by writing to the cognizant NASA Technology Utilization Office. A one-year subscription for all nine categories of Tech Briefs is $20. The average price for a single category is $4. A set of all Tech Briefs issued prior to January 1971 is $110. A Cumulative Index to Tech Briefs is $10.

REPORTS, SURVEYS, COMPILATIONS, CONFERENCE PROCEEDINGS, and other SPECIAL PUBLICATIONS. All publications are available from NTIS (address above) at prices ranging from $3 to $10. Many are also sold by the U.S. Government Printing Office, Washington, D.C. 20402.

COMPUTER PROGRAM ABSTRACTS. An annual subscription may be purchased for $2.75 from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.

Comment

NASA is making a concerted effort to see that profitable nonaerospace use can be made of technology first developed in pursuit of space program objectives. Within the NASA Technology Utilization Program, new developments are continually being sought out, documented, and brought to the attention of nonaerospace users. This program is a potentially useful resource to researchers in the social and behavioral sciences.

NATIONAL CENTER FOR VOLUNTARY ACTION CLEARINGHOUSE (NCVA), 1785 Massachusetts Avenue, N.W., Washington, D.C. 20036. Phone: 202/797-7800.

What it provides

The Clearinghouse of the National Center for Voluntary Action provides information on successful programs involving volunteers. It also provides access to organizations with special expertise and to publications pertaining to program management in connection with use of volunteers.

The scope of the files includes volunteer activities in human and social services and the improvement of the physical environment. Its input is received from any organization--private or public, national or local--that involves volunteers.

The Clearinghouse is more than a data bank operation since considerable effort is devoted to refining the raw data by contacting sources and improving write-ups, by packaging information in subject areas to provide state-of-the-art reviews (portfolios), and by researching subject areas and developing needed materials. In addition to providing helpful information on administration and organization in volunteerism, specific subject areas researched include volunteer activities in the following areas: civic affairs; communications and public relations; community services; cultural enrichment; day care/headstart; education; employment; entrepreneurship; family-youth-children-oriented services; health and mental health; housing; interracial/interethnic/intergroup relations; legal rights, law enforcement, and crime prevention; services to the older person; physical environment; recreation; transportation.

A newsletter, Voluntary Action News, lists new publications by the Clearinghouse and is available upon request at no charge.

How to use it

Those requesting information should be very specific in indicating their area of interest, using the categories listed above as a guide. For example, inquirers interested in information related to "reading assistance" should not ask for materials in the broad area of "education" but should use the more specific description. The more specific the request, the more tailored the response. Whenever possible, referrals are made to additional resources such as publications, films, etc.

The Clearinghouse service is available free of charge to any group or individual.

Comment

This is a useful resource providing a very specialized information and retrieval service on various aspects of volunteer programs and management.

NATIONAL CLEARINGHOUSE FOR MENTAL HEALTH INFORMATION (NCMHI), National Institute of Mental Health, 5600 Fishers Lane, Rockville, Maryland 20852. Phone: 301/443-3517.

What it provides

The mission of the Clearinghouse is to provide rapid dissemination of research results, program descriptions and theoretical views extracted from NIMH projects and from the literature of mental health disciplines. It provides a comprehensive and readily accessible store of information capable of answering two needs: current awareness and retrospective searching.

Currently NCMHI has in computer storage some 200,000 abstracts on the following major topic areas: psychological and social aspects of behavior; personality; cognition and higher mental processes; physiological psychology; diagnosis, treatment, and prognosis of mental illness; social and environmental factors in mental health; psychopharmacology; training of mental health personnel; occupational mental health; crime and delinquency; social work; and children and youth.

The following kinds of information are available:

Abstract Journals with Indexes

Psychopharmacology Abstracts

Bibliographies

Bibliographies are published in selected subject areas as the need arises. Then they carry citations alone or citations plus annotations or abstracts.

Abstracts

Printouts provide usual bibliographic citation information plus the first author's address.

The abstracts are written to embrace the purpose, method, and essential findings of research projects.

How to use it

Search services are available to professionals in the mental health field. The Clearinghouse endeavors to answer all requests within a two-week period. Occasionally, however, the complexity of the request may require a longer period for preparation of an appropriate response.

Requests can be answered most effectively if the need for information is spelled out concisely and objectively. It will also help if the requester can provide some background information on his own role and responsibilities in the use of the information. Identification of the ultimate users of the requested information proves helpful. For example, if the information is to be used in a presentation to a Parent Teacher Association meeting the preparation of the material by the Clearinghouse would be quite different from what it would be if the information is intended for a group of scientists who are specialists in the particular topical area. Because key words used in retrieving material necessarily are limited, it is much more helpful for the searchers to have some discussion of the topic that the requester has in mind rather than the requester's own suggested key word to be used in retrieval. The requester's key word, of course, may not match any code in the retrieval system, which means that the searchers must make a guess on the best match.

There is currently no charge for information retrieval services. However, certain of the publications of the Clearinghouse are available on a subscription basis only. Costs, if any, for specific publications can be learned by calling or writing the Clearinghouse.

Comment

The researcher who is planning a study or the writer who is preparing a manuscript will find the abstract services of the Clearinghouse most helpful. Information provided on citations and in the abstracts follows what usually is required or expected in "reviewing the literature." Practitioners, however, also will find the publications of the Clearinghouse--particularly the digests --helpful in keeping abreast of refined techniques which they may wish to consider adopting.

NATIONAL CLEARINGHOUSE FOR SMOKING AND HEALTH, Technical Information Center, Bureau of Health Education, Center for Disease Control, Building 14, Atlanta, Georgia 30333. Phone: 404/633-3311, ext. 3145.

What it provides

The National Clearinghouse for Smoking and Health is a division of the Center for Disease Control (Atlanta), Department of Health, Education, and Welfare. The Technical Information Center of the Clearinghouse collects, abstracts, and maintains publications related to smoking and health. The collection consists of approximately 22,000 documents, including papers on epidemiological studies regarding diseases related to smoking, analysis of tobacco and tobacco smoke chemical components, and behavioral studies related to the smoking habit and cessation techniques. The collection comprises papers published from the late 1950s to the present. The Center publishes a Smoking and Health Bulletin approximately nine times a year, depending on the amount of new material available. The abstracts in the Bulletin are combined into an annual bibliography which is published the following year with a cumulated index. The Center also publishes a biennial Directory of On-Going Research, with the 1974 edition containing over 700 research resumés from 38 countries.

The Clearinghouse carries on an active public information program and prepares and distributes numerous pamphlets, booklets, and posters on the health aspects of smoking. The Clearinghouse is responsible for the preparation and distribution of the annual report to Congress. This series of reports, which began with the Surgeon General's 1964 Smoking and Health Report, is currently referred to as The Health Consequences of Smoking. Eight reports have been published from 1964 to 1974.

How to use it

The Technical Information Center answers written or telephone queries regarding the smoking and health literature. Abstracts of the current material (1970 to date) are maintained in a computer data base. Printouts of specific subject queries are made and distributed as requested. The Center provides a limited photocopy service. Personal visits by interested researchers are encouraged. Copies of any of the above-mentioned publications are available upon request.

Comment

The National Clearinghouse for Smoking and Health uses the same computer and search system as do the Alcohol, Drug Abuse, and Mental Health Clearinghouses. This resource provides much valuable information for researchers, writers, and others interested in the smoking/health literature.

NATIONAL CRIMINAL JUSTICE REFERENCE SERVICE (NCJRS), Law Enforcement Assistance Administration, Department of Justice, PO Box 24036, Southwest Post Office, Washington, D.C. 20024. Phone: 202/963-5244.

What it provides

NCJRS, a central information source offering a wide range of free reference and referral services, was established by the Law Enforcement Assistance Administration (LEAA) to meet technical information needs in the areas of law enforcement and criminal justice.

The service provides the user with regular mailing of abstracts (200-300 words) of new literature in the particular subject areas he has checked on a 68-item list on the NCJRS Registration for Service form. As new literature on a topic becomes available, a packet of abstracts, called the Selective Notification of Information (SNI) is mailed to individuals interested in that particular area. Included with each mailing is an NCJRS order card which lists publications free from NCJRS. To obtain the documents he wants, the user simply marks and returns the card. For documents available from other sources, complete ordering information is given on the abstract card, including whether or not the publication carries a charge.

An NCJRS Document Index, listing all material in the collection which has a source of availability, is issued and announced periodically. Indexed by title and subject, it helps users locate criminal justice and law enforcement literature. In addition, users can obtain the Guide to NCJRS which describes the operations and services of NCJRS.

NCJRS also offers the user an individualized, computer-assisted compilation of all resource material relevant to his inquiry. Depending on how specific or general the information needed, the user may be sent bibliographic material, complete LEAA reports or portions thereof, abstracts, reprints of articles, and referral information.

Other services available from NCJRS include current awareness sendouts --brochures, flyers, letters, bulletins--which give readers information regarding new publications in the criminal justice field.

The NCJRS Document Loan Program allows users to borrow difficult-to-obtain documents on a temporary basis through the national interlibrary loan program. Information regarding this program may be obtained by writing the above address.

Users may look forward to new services that will make available English translations of major criminal justice documents from other countries and microfiche copies of uncopyrighted holdings in the NCJRS collection.

How to use it

The user first obtains an NCJRS Registration for Service form by either phoning or writing the above address. Users also are welcome to visit the NCJRS offices and browse through the repository of SNI literature

Comment

This service provides access free of charge to a great range of information sources in the criminal justice and law enforcement field. A unique feature of NCJRS is the regular mailing to each user of summaries of new literature on the specific areas which interest him.

NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM, National Institute of Mental Health, 5600 Fishers Lane, Rockville, Maryland 20852. Phone: 301/443-3306.

What it provides

The National Institute on Alcohol Abuse and Alcoholism (NIAAA) was established in 1970 within the National Institute of Mental Health (NIMH). As the primary focal point for Federal activities in the area of alcoholism, the Institute has responsibility for formulating and recommending national policies and goals regarding the prevention, control, and treatment of alcohol abuse and alcoholism, and for developing and conducting programs and activities aimed at these goals.

As a part of its program, NIAAA sponsors a wide range of research in all disciplines relevant to alcohol abuse. Among the research categories and topics of interest supported by the Institute are the following: (1) studies to provide knowledge in support of prevention, treatment, and training programs, including investigations of the basic physiological, biochemical, and pharmacological effects of alcohol; (2) studies of sociocultural factors and drinking practices, including longitudinal and survey studies of practices, attitudes, development of alcoholism, etc.; (3) studies leading to the development and evaluation of education programs, both those for general use and for special high-risk groups; (4) studies of the treatment process in order to develop and evaluate methods for prediction and measurement of treatment response, to improve and evaluate detoxification procedures, and to explore new psychotherapeutic, pharmacotherapeutic, and sociotherapeutic approaches.

In addition to grant support of research investigations, the Institute operates an intramural research program at Saint Elizabeth's Hospital at the NIMH's National Center for Mental Health Services, Training, and Research, Washington, D.C. Facilities include clinical research wards and animal laboratories where studies are carried out with the aim of clarifying the nature of the addictive process in alcoholism, and of developing research leads.

NIAAA also sponsors numerous training programs and a variety of treatment and rehabilitation services. In order to develop public recognition of alcoholism as an illness and an awareness of the effects of alcohol, a public information and education program has been undertaken.

A clearinghouse has been established to gather, systematize, maintain, and make widely available--in appropriate contexts and languages to all sectors of the population--the knowledge on alcohol abuse and alcoholism gained from the above activities and from all available resources.

How to use it

Requests for information on the programs or specific questions should be sent to the above address.

Comment

The NIAAA is a new and developing program which has become a valuable source of information for researchers in this area. The National Center for Alcohol Education has been established and is operating to train professionals and paraprofessionals in the alcoholism field.

NATIONAL INSTITUTE ON DRUG ABUSE, National Institute of Mental Health, 11400 Rockville Pike, Rockville, Maryland 20852. Phone: 301/443-6000.

What it provides

The National Institute on Drug Abuse (NIDA) operates as a central source for the collection and dissemination of drug abuse information within the Federal government and serves as a coordinating information agency for groups throughout the country involved in drug abuse information.

For its major activities, NIDA collects, indexes, and abstracts drug abuse prevention information of a scientific and technical nature; provides pamphlets, bibliographies, and source material for the general public, special interest groups, Congress, Federal agencies, States, communities, and other drug abuse programs concerning developing trends in drug abuse; and responds to special requests requiring preparation of papers based on research into the literature of drug abuse.

The Institute disseminates information on pertinent films, records, plays, posters, and other available material. It has developed packets of informational materials suitable for the general needs of the interested and concerned public, and has prepared groupings of publications and films geared to a particular topic. The Institute also provides consultation to groups preparing for a seminar, lecture series, panel discussion or conference in order to assemble the most pertinent and useful materials for that particular event. There is no charge for these services.

The Institute distributes a number of publications. These include manuals and handbooks, annotated bibliographies, and directories. The periodical Drug Abuse Current Awareness Series is an alerting mechanism for literature in the field. Single copies of directories of drug treatment facilities, hotlines, and other organizations are distributed on request.

How to use it

NIDA has developed a file of resource materials including bibliographies, articles, speeches, published guidelines, descriptions of programs, and government publications. If a respondent does not wish a complete search of the literature on a particular topic but merely needs some representative samples of the kind of work being done in that area, these materials are supplied.

If a request for information requires a thorough search of the literature pertinent to the subject of inquiry, the staff will utilize the Institute's

computerized information storage and retrieval system by drawing from the technical or the drug abuse program file. Requests for exhaustive coverage of a topic will be processed by completing a computer search and sending the relevant printouts, listing, or bibliography to the inquirer free of charge. In this way, the intensive, in-depth needs of the individual requesting information can be met in a comprehensive and expedient manner. When the demand for a computer search on a specific topic recurs over a delineated period of time and the subject grows to have a more general audience, NIDA will publish the most recent and complete version of the search and thereby have it readily available for immediate distribution.

NIDA's Selected Reference Series and Report Series are a reflection of these recurring requests for information. Some Report Series publications include issues on government publications, voluntary action programs, Federal funding of drug abuse programs, reports of specific drugs of abuse such as mescaline, and drug abuse and religion. The Selected Reference Series consists of issues of short, topical bibliographies on methadone, the abuse of drugs by young people, drug abuse in industry, drug abuse and the military, and the effects of drugs on the reproductive processes.

Comment

This resource provides access to a wide range of information in the drug abuse area. A clearly written request to NIDA will enable staff to decide whether the inquirer will be best served by a computer search or another type of response.

NATIONAL REFERRAL CENTER, SCIENCE AND TECHNOLOGY DIVISION, Library of Congress, 10 First Street S.E., Washington, D.C. 20540. Phone: 202/426-5670.

What it provides

The Center's purpose is to function as an intermediary, directing "those who have a question concerning a particular subject to organizations or individuals [who have] specialized knowledge of that subject.... The concept of 'information resources' which the Center has adopted is an extremely broad one. It extends to any organization, institution, group, or individual with specialized knowledge in a particular field and a willingness to share this knowledge with others."

The Center does not provide bibliographic reference services or answers to specific questions. It provides name, address and a brief description of the activities of each information source relevant to an inquirer's area of interest. To provide this referral service, the Center maintains a continuously updated national register of information resources. The Center's only criterion for registering a resource is the ability and willingness to supply information to others; size of the resource is not considered. The referral service is available free to any individual working in physical, biological, social and engineering sciences.

How to use it

Although no special forms are required, the Center will reply more effectively if a precise statement of the information desired is provided and if the Center is told which information resources already have been contacted. A statement of special qualification, such as professional memberships, may entitle an inquirer to resources that otherwise would not be open. Referral requests may be made in writing to the Center or by calling (202) 426-5670.

The Center has published seven directories. The two that are most relevant to mental health are: (a) A Directory of Information Resources in the United States: Social Sciences, revised edition 1973; (b) A Directory of Information Resources in the United States: Federal Government, revised edition 1974. They may be purchased for $6.90 and $4.25 respectively, from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.

Comment

Although the direct services performed by this resource are somewhat limited, it provides indirect access to a great range of information sources.

NATIONAL TECHNICAL INFORMATION SERVICE, U.S. Department of Commerce, Springfield, Virginia 22161. Phone: 703/321-8543.

What it provides

The National Technical Information Service (NTIS) serves as a focal point for the collection, announcement, and dissemination of unclassified U.S. Government-sponsored research and development reports and translations of foreign technical literature to the scientific, technical and industrial communities. More than 300 government departments and agencies presently use the NTIS facilities to disseminate their reports. The NTIS information collection now includes more than 730,000 titles, and NTIS supplies the public with approximately three million documents and microforms annually.

The following services are available from NTIS:

1. Government Reports Announcements and Index. This semi-monthly publication gives comprehensive coverages for the 60,000 or more reports received annually from hundreds of agencies engaged in government-funded research. It features a quick-scan format (includes title, price, and corporate author), edge index to subject fields, and a report number locator list.

2. Weekly Government Abstracts. These are 24 weekly digests of new reports in fields of interest ranging from Computers, Control and Information Theory to Urban Technology. These newsletters give the most significant abstracts selected from the more than 60,000 reports received annually by NTIS. Each listing describes the title, corporate source, report data, page count, supplementary notes, price and number for ordering the complete report.

3. NTISearch. This service provides comprehensive access by subject to the total NTIS data base. Searches are based on key words (descriptors) assigned to all data entering the system. The collection covers hundreds of highly defined areas of interest. The subscriber names his subject and within days NTIS provides up to 100 abstracts. NTISearch is a quick method of ascertaining the materials available on the subject, often including information not available elsewhere. Also available are about 500 Published NTISearches on many specialized areas of interest.

4. Ongoing research project information. In conjunction with the Smithsonian Science Information Exchange (SSIE), NTIS offers a joint research service. This gives the user the benefit of having one point of contact for the review of both completed research reports and ongoing research project information.

5. Data files. NTIS offers magnetic tapes with information pertinent to various business and scientific fields of interest. Tapes are in BCD mode and are available as: (a) 7-track, 556 or 800 characters per inch (cpi), odd or even parity; or (b) 9-track, 800 cpi, odd parity. The tapes are available in highly specialized categories, and a complete listing is available on request.

6. NTIS Information Services Catalog. A free booklet describing all NTIS information services and products is available upon request. Requests should cite NTIS-PR-154.

How to use it

Any user who anticipates frequent utilization of NTIS services should have access to the publications listed above. All reports should be ordered by document number. If the number is not known, furnish the complete title exactly as published. Include any other identifying information, such as the contract number, sponsoring Federal agency, author of report, or cite the source of information.

Specific search questions can be addressed to NTISearch at $100 per question.

Microfiche on a demand basis is priced at $2.25 per document. Documents available on standing order through the NTIS Selective Dissemination of Microfiche (SDM) service are priced at 45 cents per document, 60 cents foreign.

Comment

Although the collection is oriented toward the technical and scientific community and toward industry, it also includes titles in the behavioral sciences and the biological/medical sciences, and accordingly is a resource for reports related to mental health.

PSYCHOLOGICAL ABSTRACTS INFORMATION SERVICES (PAIS). This is a service of the American Psychological Association, 1200 Seventeenth Street, N.W., Washington, D.C. 20036. Phone: 202/833-7624, 25, & 26.

What it provides

Through machine-readable tapes, PAIS provides computer access to the world's literature in psychology and related disciplines as published in Psychological Abstracts (PA). PA covers material from over 850 periodicals and scans about 1,200 books and separates per year. Articles are abstracted, books are cited with annotations, and separates (technical reports, monographs, etc.) are cited, annotated, or abstracted according to their relevancy to the behavioral and social sciences. Other characteristics include classification codes designating 17 primary categories (and sub-categories) within psychology, controlled indexing vocabulary selected from the PA Thesaurus of Psychological Index Terms, "free" index phrases, and bibliographic information.

Tapes are available to information centers through PATELL (PA Tape Edition Lease or Licensing); organizations may access the data base through a service called PADAT (PA Direct Access Terminal); and individuals may submit written search requests to PASAR (PA Search and Retrieval). Both PADAT and PASAR enable searching with natural language as well as index terms or codes, and any or all portions of the records, including full abstracts, may be retrieved.

How to use it

Through PATELL, an annual lease allows use of the PA tapes by an institution's personnel, while a licensing agreement permits the institution to offer services to others on a royalty basis. The tapes are distributed in monthly, quarterly, or semi-annual reels, according to the specification of the user. The price for leasing the 1973 tapes is $3,000, with the previous year's tapes being $2,000 and other previous years' tapes being $800 each. One must lease the current tape edition to retain use of the previously leased tapes. The Thesaurus tape is also available.

Through PADAT, the researcher conducts his own search on a computer terminal located at his own facility. This method allows him to browse personally through the records, modifying his search as he obtains information from the data base. Output may be printed on-line if a "hard-copy" type terminal (such as a teletype) is used; otherwise, output may be printed off-line at the computer facility and mailed to the researcher. PAIS provides this service through a contractor, Lockheed Information Systems, Palo Alto, California. Organizations lease terminals from a variety of producers, with

monthly lease costs being about $90-$250, depending on terminal speed (10 cps, 15 cps, 30 cps, 120 cps, or 480 cps) and other characteristics. The cost of interacting with PA records is $50 per hour, with an average search taking about 15 minutes.

PASAR is accessible by mail. The individual fills out a search request form, making a specific statement of his information requirement, and sends it to PAIS at the association's central office. A search analyst processes the request on-line, formulating specific retrieval strategies, augmenting vocabulary and other search parameters supplied by the requestor. The product of the search is a computer printout of bibliographic citations, with full texts of abstracts, if desired, which is sent to the requester. Request forms may be obtained from the central office or from recent issues of PA. Cost of a PASAR search varies with the amount of time necessary to process requests on a computer terminal. Average cost of a search ranges $40-$60.

Comment

These services can provide rapid retrieval of worldwide behavioral and social science citations and abstracts with a high degree of relevancy to the user's specific need.

SCIENTIFIC COMMUNICATIONS UNIT (151B2), Veterans Administration, 810 Vermont Avenue, N.W., Washington, D.C. 20410. Phone: 202/389-5177.

What it provides

This office maintains records of all ongoing medical research projects in hospitals and clinics of the Veterans Administration (VA). It publishes an annual report containing a listing of all VA research projects, the location of the project, principal investigators, and a list of research publications.

How to use it

Requests for information should be directed to the Chief, Scientific Communications Unit (151B2) at the above address.

Comment

Services are limited to answering inquiries and making referrals.

SMITHSONIAN SCIENCE INFORMATION EXCHANGE (SSIE), Room 330, 1730 M Street, N.W., Washington, D.C. 20036. Phone: 202/381-5511

What it provides

The Exchange operates under the aegis of the Smithsonian Institution. It has served as a national registry of research in progress since its inception in 1949. Originally founded by federal agencies interested in closer communication concerning their rapidly expanding programs of research support, the collection of Notices of Research Projects available has grown to the level of 100,000 received and processed each year. It has become the most comprehensive source of information in existence concerning ongoing or planned research.

Research records (Notices of Research Projects) are updated each year and are written by the principal investigators doing the work. Most of the notices are received from organizations supporting research (federal programs, private foundations, professional organizations, industries, local governments), although an increasing number come from universities and other organizations who voluntarily describe work supported by local funds.

For the most part, the collection includes domestic and foreign research supported from United States sources, although certain programs funded by other countries have been voluntarily submitted and processed. Coverage includes all fields of basic and applied research in the life and physical sciences.

Information in the active search file at the Exchange represents the previous two government fiscal years. Older project summaries are available in a historical file. The Notice of Research Project (NRP), which is the basic document of the Exchange, includes the name of the supporting organization, the names and addresses of principal and associate investigators, the location of the work, its title, and, in most cases, a 200-word summary of the project.

How to use it

Services are available on a fee basis to all interested persons, and can be obtained by submitting a "Request for Services" form, or by writing or telephoning the Exchange, stating the specific research field on which information is desired.

SSIE services include:

1. Custom Searches. These searches are tailor-made to meet specific individual or organizational requirements. Custom searches are available in broad or specific subject areas as well as by organizational units such as state, city, or university. The average cost is $50 for up to 50 NRPs and $10 for each additional 1-50 NRPs.

2. Selective Dissemination of Information (SDI)

   a. Standard SDI Service (monthly): This new series insures automatic distribution of SSIE's latest project information relevant to the user interest profile established for each customer. There is no additional charge if NRPs total more than 50. The cost is $180 per year, prepaid, for 12 monthly updates.

   b. Custom SDE Service (quarterly): Search strategies are reviewed before each quarterly updating and the search output is professionally screened for maximum conformance to the user interest profile. The cost is $50 per update for up to 50 NRPs, and $10 for each additional 1-50 NRPs.

3. Research Information Search Packages. On the basis of evaluation by its scientific staff, SSIE regularly conducts searches on topics of high current interest. The results are made available as research information packages at prices reflecting significant savings over the cost of custom searches. They are regularly announced in the SSIE Science Newsletter.

In addition, the SSIE staff performs analytical support services utilizing the SSIE data base, such as the preparation of data tabulations or copy for catalogs of research in progress by field or subfield of science, or by specific research areas within specific fields. Information is available from SSIE in a wide variety of formats ranging from magnetic tapes to camera-ready copy suitable for the publication of catalogs of research in progress. Other services offered are the following: (a) investigator searches (all research in the SSIE file associated with a specific investigator) at a cost of $2.00 per name/$10 minimum for current file, $6.50 per name for the last five years prior to the current file; (b) retrieval of project information in current file by either supporting organization control number or SSIE accession number, $1.00 per number/$10 minimum.

Comment

The main advantage of SSIE is that it bridges the gap between initiation of projects and publication of their results, usually years later. Duplication, overlap, and relevant programs can be identified quickly and one's own research program modified in consequence.

CONSULTING RESOURCES

In addition to the search services discussed on the foregoing pages, a number of government agencies have offices or branches devoted primarily to research utilization. The mission of these offices is mainly to disseminate--or to be instrumental in the dissemination of--findings from research, experimental and demonstration projects funded by their respective agencies. They do not have sufficient in-house staff to serve as an information resource for everyone who might wish to contact them, but they do provide very knowledgeable guidance and service to the projects they fund. Several of these offices are listed below:

Dissemination and Resources, National Institute of Education, 1200 19th Street, N.W., Washington, D.C. 20208

Chief, Support Services, Rehabilitation Services Administration, Department of Health, Education, and Welfare, Washington, D.C. 20201. (Each RSA Regional Office has a person serving as an R&D Specialist)

Division of Research and Development Utilization, Office of Manpower R&D, Manpower Administration, Department of Labor, 601 D Street, N.W., Washington, D.C. 20013

Office of Intergovernmental Science and Research Utilization, National Science Foundation, 1800 G Street, N.W., Washington, D.C. 20550

Persons responsible for the effectiveness of mental health services may find the consultants in state and federal agencies good sources of direct information about new program ideas. These consultants have the opportunity to visit many settings and to learn of numerous solutions to service delivery problems. Often state Mental Health Commissioners have among their staff members consultants who are available to report on how other facilities are providing services. Staff of NIMH also are in a position to become acquainted with new practices that may never find their way into publication. The program director interested in learning how others are tackling problems similar to those he faces may wish to contact:

Mental Health Services Development Branch, National Institute of Mental Health, 5600 Fishers Lane, Rockville, Maryland 20852

Staff members of that branch either will be familiar with new practices around the nation or will be able to refer the inquirer to other consultants within NIMH who have special knowledge in the inquirer's field.

Mental health consultants in the Regional Offices of the Department of Health, Education, and Welfare represent excellent sources of assistance in thinking through plans for a new program. These consultants are especially acquainted with how program problems are solved in localities similar to those of any given inquirer. Regional Offices, together with states they service, are listed below:

REGION I: BOSTON, MA. John F. Kennedy Federal Building, Government Center, Boston, MA 02203 Phone: 617/223-6830.

STATES: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

REGION II: NEW YORK, NY. Federal Building, 26 Federal Plaza, New York, NY 10007. Phone: 212/264-4600.

STATES: New Jersey, New York, Puerto Rico, Virgin Islands.

REGION III: PHILADELPHIA, PA. 3531-35 Market Street, Philadelphia, PA 19101. Phone: 215/597-6492.

STATES: District of Columbia, Delaware, Maryland, Pennsylvania, Virginia, West Virginia

REGION IV: ATLANTA, GA. 50 Seventh Street, NE., Atlanta, GA 30323 Phone: 404/526-5817.

STATES: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee.

REGION V: CHICAGO, IL. 300 South Wacker Drive, Chicago, IL 60606 Phone: 312/353-5160.

STATES: Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin.

REGION VI: DALLAS, TX. 1114 Commerce Street, Dallas, TX 75202. Phone: 214/749-3396.

STATES: Arkansas, Louisiana, New Mexico, Oklahoma, Texas.

REGION VII: KANSAS CITY, MO. 601 East Twelfth Street, Kansas City, MO 64106. Phone: 816/374-3436.

STATES: Iowa, Kansas, Missouri, Nebraska.

REGION VIII: DENVER, CO. Federal Office Building, 1961 Stout Street, Denver, CO 80202. Phone: 303/837-3373.

STATES: Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming.

REGION IX: SAN FRANCISCO, CA. 50 Fulton Street, Federal Office Building, San Francisco, CA 94102. Phone: 415/556-6746.

STATES: American Samoa, Arizona, California, Guam, Hawaii, Nevada, Wake Island.

REGION X: SEATTLE, WA. Arcade Plaza Building, 1321 Second Avenue, Seattle, WA 98101. Phone: 206/442-0420.

STATES: Alaska, Idaho, Oregon, Washington.

Bibliography of Medical Reviews. 1955— National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20014

Arrangement: Annual cumulation; arranged by subject and name indexes. From 1955 to February 1965, this index was issued annually as a separate publication from Index Medicus. Since March 1965, it appears in the front of each monthly issue of Index Medicus.

Content: Consists of an index of review articles compiled from Index Medicus.

Comment: An indispensable tool for review articles and for a quick, efficient review of the literature.

Child Development Abstracts and Bibliography. 1927— University of Chicago, 5750 Ellis, Chicago, IL 60637

Arrangement: Issued three times per year with two numbers in each issue. Classified subject arrangement with author index in each issue. Annual subject and author indexes.

Content: Covers the field of psychology, psychiatry and sociology in 150 journals. Includes book reviews, abstracts, journal articles.

Comment: Covers a small number of mental health journals.

Coordinate Index Reference Guide to Community Mental Health New York: Behavioral Publications, Inc., 1969.

Arrangement: Issued in book form rather than as a periodically issued index.

Contents: Consists of a coordinate index of more than 1,500 titles, classified according to 241 categories; a cross-reference index; a bibliography; other sources of information.

Comment: A comprehensive and extremely useful tool for investigation of subjects related to community mental health.

Cumulative Index to Nursing Literature. 1956— Seventh Day Adventist Hospital, Publicity Service, Box 871, Glendale, CA 91209

Arrangement: Bimonthly; subjects and authors indexed alphabetically together. Annual accumulation.

Content: Indexes but does not abstract articles in over 114 English-language journals in nursing and related health sciences fields. Also is a guide to book reviews, pamphlets, illustrated materials, films and film strips.

Comment: Indispensable to searching the nursing literature.

Excerpta Medica. 1947— Excerpta Medica Foundation, 119-123 Herengracht, Amsterdam C, Netherlands.

Arrangement: Monthly.

Content: Abstracts, in English, are presented in 28 different sections dealing with medicine and allied fields. The index is especially valuable for foreign language medical journals.

Comment: There is much overlap with Index Medicus, so that only the abstracting section is noted here.

Hospital Literature Index. 1945— American Hospital Assocation, 840 North Lake Shore Drive, Chicago, IL 60611

Arrangement: Quarterly; annual index and 5-year cumulations. Arranged by subjects with separate author index. There are no abstracts (each 5-year volume is called Cumulative Index of Hospital Literature).

Content: Indexes approximately 578 English language journals and some popular and nonmedical journals. Primarily concerned with the administration, financing and planning of hospitals and related institutions.

Comment: Lists articles concerned with psychiatric hospitals and gives statistics on mental patients.

Index Medicus. 1879— National Library of Medicine, 8600 Rockville Pike, Bethesda, MD 20014

Arrangement: Monthly; annual cumulations. Arranged by subject, based on the publication Medical Subject Headings (MeSH). Each month contains a bibliography of medical reviews, a subject index and an author index.

Content: Does not abstract, but contains, by subject heading, listings (by journal title) of the world's periodical biomedical literature. English language articles appear first, followed by those in foreign languages. The latter have their titles translated into English. Does not contain proceedings of congresses, symposia and the like. (Copies of bibliographies of wide general interest from MEDLARS computerized searches are listed in the front of each monthly issue.)

Comment: Indispensable English language tool for the biomedical community. The user is urged to consult MeSH before beginning a search.

International Nursing Index. 1966— American Journal of Nursing Company, 10 Columbus Circle, New York, NY 10019

Arrangement: Quarterly; annual cumulations. Arranged by subject and author indexes.

Content: Produced in cooperation with the National Library of Medicine, covering nursing journals in English and foreign languages. Indexes but does not abstract. Covers periodicals not indexed in Index Medicus.

Comment: This, with Cumulative Index to Nursing Literature, gives good coverage of the nursing periodicals.

Mental Retardation Abstracts. 1964— American Association on Mental Deficiency. Superintendent of Documents, Gover ent Printing ffice, Washington, DC 20402

Arrangement: Quarterly; classified subject arrangement with quarterly and annual subject and author indexes.

Content: Abstracts journals in the mental retardation field and in related health sciences fields.

Comment: A good source of current specialized articles.

Poverty and Human Resources Abstracts. 1966— Institute of Labor and Industrial Relations, University of Michigan, Box 1567, Ann Arbor, MI 48106

Arrangement: Bimonthly; subjects and authors indexed alphabetically together. Annual cumulation.

Content: Contains abstracts of current literature (books, journal articles, reports of special projects) relating to minority groups, urban problems, the economically disadvantaged, manpower programs, community development, etc.

Comment: A useful guide to an active and hard-to-get-at subject area. Contains overview essays as well as abstracts.

Psychological Abstracts. 1927— American Psychological Association, 1200 Seventeenth Street NW, Washington, DC 20036

Arrangement: Monthly; classified subject arrangement, with author and subject indexes. Annual cumulation.

Content: Contains nonevaluative abstracts of the literature in psychology and related disciplines. Abstracts are given for both books and periodical literature.

Comment: Indexes a number of journals not normally covered by medical indexes, mainly in education and business. An indispensable tool in psychology.

Psychopharmacology Abstracts. 1961— National Clearinghouse for Mental Health Information, National Institute of Mental Health, 5600 Fishers Lane, Rockville, MD 20852

Arrangement: Monthly; subject and author indexes.

Content: Contains abstracts classified by category. There are annual subject and author indexes.

Comment: Provides good coverage of current research in the field.

Quarterly Journal of Studies on Alcohol. Section B, Documentation. 1939— Rutgers Center of Alcohol Studies, Rutgers, The State University, New Brunswick, NJ 08903

Arrangement: Quarterly; cumulative index prepared every ten years. Index in its present form has been separated from the Journal itself only since March 1968.

Content: Consists of abstracts of current literature, current bibliography, and comprehensive subject index.

Comment: Covers all facets of the subject, not only psychiatric and psychological but also medical, legal, and pharmacological.

Readers' Guide to Periodical Literature. 1900— H. W. Wilson & Co., 950 University Avenue, Bronx, NY 10452

Arrangement: Semimonthly; cumulated annually. Arranged in one dictionary alphabet with authors and subjects intermixed.

Content: Does not abstract, but indexes about 130 U. S. general and nontechnical periodicals of a popular character.

Comment: Valuable for popular journal articles in medicine and the social sciences.

Rehabilitation Literature. 1956— National Society for Crippled Children and Adults, 2023 West Ogden Avenue, Chicago, IL 60612

Arrangement: Monthly; classified subject arrangement of the abstract section, with monthly and annual author indexes.

Content: Contains special articles and abstracts of interest in rehabilitation, as well as book reviews and special features. Abstracts English language periodicals only.

Research Grants Index. 1961— National Institutes of Health, Division of Research Grants, U. S. Public Health Service, Bethesda, MD 20014

Arrangement: Annual (since 1963). The first volume contains a subject index to research; the second, a list of investigators and grant numbers.

Content: Lists biomedical research financed by the U. S. government here and abroad, research in progress, and the investigators.

Comment: An unusual approach for the mental health worker, but it does give a good picture of ongoing research projects and their investigators.

Science Citation Index. 1961— Institute for Scientific Information, 325 Chestnut Street, Philadelphia, PA 19106

Arrangement: Consists of three separate but related indexes. Two of the volumes are quarterly: the Citation Index, which contains a list of authors writing in a particular year and the papers cited in their bibliographies; and the Source Index, which contains additional information about the citing authors. There is a third volume, the Permuterm Subject Index, issued annually.

Content: Indexes, but does not abstract, over 1,500 journals, about half of which are in the biomedical sciences. These include both English and foreign language journals. Coverage includes articles, books, book reviews, abstracts, editorials, letters, and technical notes.

Comment: This tool presents a new concept in literature searching, but once the user understands the principles underlying the arrangement, the searches are very rewarding. Upon first using it, the services of a librarian are desirable for instruction.

Social Sciences Citation Index. 1973— Institute for Scientific Information, 325 Chestnut Street, Philadelphia, PA 19106

Arrangement: Annual cumulation with two soft-cover interim issues indexing journals published during January-April and May-August. The SSCI is an integrated search system consisting of three indexes: the Source Index, the Citation Index, and the Permuterm Subject Index. Each covers exactly the same published articles but indexes them in different ways.

Content: Indexes every article in over 1,000 social sciences journals and selectively covers another 2,000 journals, indexing only those articles relevant to the social sciences.

Comment: This is a valuable outgrowth of the useful Science Citation Index.

Social Sciences and Humanities Index (formerly International Index to Periodicals) 1916— H. W. Wilson & Co., 950 University Avenue, Bronx, NY 10452

Arrangement: Quarterly; cumulated annually. Indexes authors and subjects alphabetically together.

Content: Indexes but does not abstract articles from scholarly journals in anthropology, social work, sociology and the humanities. Does not index foreign language journals.

Comment: A useful tool for investigating subjects related to medicine.

Sociological Abstracts. 1953— Sociological Abstracts, Inc. 2315 Broadway, New York, NY 10024

Arrangement: Eight issues per year; cumulative index. Classified subject arrangement with an author index.

Content: Indexes over 800 English and foreign journals selectively, including articles, monographs and books.

Comment: Particularly strong in social work and sociology.

Alcohol and Health Notes. National Institute on Alcohol Abuse and Alcoholism, National Institute of Mental Helath, Box 2345, Bethesda, Md. 20852

Published: Monthly.

Content: News, current events, reviews of publications, and reports of research on drinking and its effects on health.

American Journal of Orthopsychiatry
American Orthopsychiatric Association, 1790 Broadway, New York, NY 10019

Published: Quarterly.

Content: Multidisciplinary mental health focus; four categories of articles include Theory and Review, Research, Clinical, Delivery of Services.

American Journal of Psychiatry
American Psychiatric Association, 1700 18th Street NW, Washington, D.C. 20009

Published: Monthly.

Content: Range of articles from the field. This is the official journal of the American Psychiatric Association.

APA Monitor. American Psychological Association, 1200 17th Street NW, Washington, D.C 20036

Published: Monthly. Sent automatically to APA members; can be ordered by nonmembers.

Content: Newspaper of APA activities and progress; purpose is "to expedite communication among the members of APA... inform readers of the events that are shaping psychology today..."

Behavioral Science: A Journal of the Society for General Systems Research. Mental Health Institute, University of Michigan, Ann Arbor, Michigan 48104

Published: Bimonthly.

Content: Broad interdisciplingary approach and particularly valuable in the mental health field. Contains occasional research reports.

Community Mental Health Journal
Behavioral Publications, 2852 Broadway, Morningside Heights, New York, NY 10025

Published: Quarterly.

Content: Short articles and book reviews. Is devoted to emergent approaches in mental health research, theory and practice as they relate to the community, broadly defined.

Crime and Delinquency Literature
National Council on Crime and Delinquency, Continental Plaza, 411 Hackensack Avenue, Hackensack, NJ 07601

Published: Quarterly.

Content: Abstracts, subject-indexed, on the most recent developments in crime, law enforcement, correction, and other aspects of criminal justice. There is also a question-and-answer section, and each issue contains a review of the literature on a specific subject in criminal justice.

Digest of Neurology and Psychiatry
Institute of Living, Retreat Avenue, Hartford, CT 06106

Published: Ten times a year.

Content: Abstracts and reviews in psychiatry, neurology and mental health.

Evaluation. Program Evaluation Resource Foundation, Minneapolis Medical Research Foundation, 501 South Park Avenue, Minneapolis, MN 55415

Published: Three times a year, with special monographs on an ad hoc basis.

Content: Articles and news notes on evaluation activities in human service fields, focusing on evaluation conception and design, implementation, changes resulting from evaluation efforts, and possible application (or adaptation) of successful efforts to other groups, programs, or organizations.

Hospital and Community Psychiatry
American Psychiatric Assn., 1700 18th Street NW, Washington, D.C. 20009

Published: Monthly.

Content: Short articles of current interest, and reviews of books and films. It is aimed at those caring for the mentally ill, the aged, and the mentally defective.

Human Behavior. Manson Western Corporation, PO Box 2910, Boulder, CO 80302

Published: Monthly.

Content: Broad interdisciplinary approach to the social science area. Contains short summaries of current research (reference list included), articles, reviews of books and films, and, usually, a profile story on a selected subject.

Innovation Information and Analysis Project News. The Program of Policy Studies in Science and Technology, George Washington University, Washington, D.C. 2006

Published: Irregularly.

Content: News of the scope, direction, and activities of IIAP,

which is collecting information regarding innovation.

Innovations: American Institutes of Research, PO Box 1113, Palo Alto, CA 94302

Published: Three times a year.

Content: Articles on current mental health services, focusing specifically on promising innovative programs and techniques, and how to implement them. Also presents summaries of legislative developments and issues that will have important implications for mental health delivery services in the future. Includes a short review section on current books and journal articles of interest to mental health workers.

Journal of Psychiatric Nursing and Mental Health Services. Charles B. Slack, Inc., 6900 Grove Road, Thorofare, NJ 08086

Published: Bimonthly.

Content: Articles on nursing problems, programs, roles; international trends; psychiatric drugs; geriatrics.

JSAS Catalog of Selected Documents in Psychology. Journal Supplement Abstract Service. American Psychological Association, 1200 17th Street NW, Washington, D.C. 20036

Published: Quarterly.

Contents: Abstracts of psychology-related materials that are available from JSAS. The Catalog is divided into 13 subject sections, and the length and price of the full-text document is noted.

Mental Health Digest. Superintendent of Documents, Government Printing Office, Washington, D.C. 20402

Published: Monthly.

Content: Condensed journal articles but does not give a bibliography for the journal article. The aim is to present a "broad sampling of scientific subject matter and points of view."

Mental Health Scope. Scope Publications, Inc., 1120 National Press Building, Washington, D.C. 20004

Published: Semimonthly.

Content: Bibliography and book reviews.

Mental Hygiene. National Association for Mental Health, Inc., 10 Columbus Avenue, New York, NY 10019

Published: Quarterly.

Contents: Articles concerned with all aspects of prevention and treatment

of mental illness, and the promotion of mental health. Also lists publications of the National Association for Mental Health.

Psychiatry Digest. Psychiatry Digest, Inc., 455 Central Avenue, Northfield, IL 60093

Published: Monthly.

Content: Short summaries of articles in psychological and psychiatric journals; also contains reviews of books.

Psychiatric News. American Psychiatric Association, 1700 18th Street NW, Washington, D.C. 20009

Published: Monthly. Official newspaper of the American Psychiatric Association.

Content: News, current events, special reports, job opportunities.

Roche Report: Frontiers of Psychiatry
Roche Laboratories. Division of Hoffman-LaRoche, Inc. Nutley, NY 17010

Published: Periodically. May be obtained without charge.

Content: Current topics of interest in the field of psychiatry; looseleaf format.

Schizophrenia Bulletin. Office of Communications, National Institute of Mental Health, 5600 Fishers Lane, Rockville, MD 20852

Published: Quarterly.

Content: "A synthesis of the diverse and scattered efforts being made toward understanding schizophrenia." Each issue focuses on a major theme in the field. Selective bibliography and abstracts; drug trial studies omitted.

Smoking and Health Bulletin. Center for Disease Control, National Clearinghouse for Smoking and Health, Department of Health, Education and Welfare, Atlanta, GA 30333

Published: Approximately nine times a year.

Content: Abstracts of ongoing research in smoking and its effects on health.

Social and Rehabilitation Record
Office of Public Affairs, Social and Rehabilitation Service, 330 C Street SW, Washington, D.C. 20201

Published: Ten times a year.

Content: Articles and news notes focusing on improving the management of human service programs in the areas of vocational rehabilitation,

individual and family social services, assistance payments, and medical services. Also lists recent SRS administrative issuances, and job opportunities.

SSIE Science Newsletter. Smithsonian Science Information Exchange, Inc.. 1730 M Street NW, Washington, D.C. 20036

Published: Ten times a year.

Contents: Describes research information packages available from SSIE in all areas of life and physical sciences.